

Answers – Basic arithmetic and the calculator

PAGE 1 1 a 173 b 222 c 176 d 252 e 268 f 384 g 908 h 6910 i 12 563 j 11 682 k 9400 l 12 181 2 a 11.69 b 17.508 c 86.979 d 121.56 e 77.13 f 88.93 g 34.251 h 190.36 i 144.48 j 62.32 k 139.03 l 197.54 3 a $1\frac{1}{4}$ b $1\frac{13}{18}$ c $1\frac{7}{15}$ d $1\frac{17}{36}$ e $1\frac{17}{24}$ f $1\frac{19}{30}$ g $4\frac{5}{12}$ h $8\frac{5}{6}$ i $9\frac{4}{5}$ 4 a 5208 b 446 c 311 d 153.2 e 196.56 f 122.16 g 175.45 h 151.86 i 75.07 j 23.515 k 35.05 l 18.02 m 149.36 n 111.41 o 261.02 5 a 255.89 b 148.901 c 112.517 d 137.52 e 43.37 f 283.51 g 7360 h 1029.2 i 159.34

PAGE 2 1 a 18 b 324 c 1510 d 328 e 2401 f 172 g 2375 h 1184 i 199 j 154 k 127 l 456 2 a 5.25 b 6.355 c 23.543 d 1.96 e 25.76 f 37.84 g 18.09 h 1.68 i 22.64 j 22.66 k 4.953 l 8.04 3 a $\frac{3}{5}$ b $\frac{1}{5}$ c $\frac{1}{5}$ d $\frac{5}{24}$ e $\frac{1}{2}$ f $\frac{1}{3}$ g $\frac{19}{24}$ h $\frac{5}{12}$ i $\frac{1}{5}$ 4 a 137 b 411 c 1046 d 359 e 397 f 54 g 1.08 h 2 i 4.76 j 11.1 k 21.67 l 13.7 5 a $\frac{1}{2}$ b $7\frac{1}{30}$ c $2\frac{7}{9}$ d $2\frac{1}{4}$ e $3\frac{7}{12}$ f $11\frac{5}{14}$

PAGE 3 1 a 3776 b 3115 c 1344 d 4725 e 15 340 f 26 565 g 5375 h 19 186 i 48 625 j 4558 k 4214 l 2262 2 a 4.38 b 67.64 c 5.016 d 18.15 e 127 f 319.725 g 213.696 h 112.7 i 2.829 j 344.4 k 64.5 l 1.792 3 a $\frac{1}{9}$ b $\frac{10}{21}$ c $\frac{10}{21}$ d $\frac{2}{9}$ e $3\frac{1}{2}$ f $\frac{51}{80}$ g $14\frac{1}{16}$ h $8\frac{2}{5}$ i $18\frac{1}{12}$ 4 a 338 b 713 c 884.8 d 4717 e 52.7 f 16.536 g 277.68 h 143.592 i 120.59 j 788.73 k 23.493 l 723.24 m $26\frac{13}{36}$ n $432\frac{32}{49}$ o $19\frac{13}{32}$ p $56\frac{13}{24}$ q $27\frac{29}{200}$ r $11\frac{31}{49}$

PAGE 4 1 a 5 b 6 c 109 d 1727 e 254 f 174 g 164 h 1759 i 90 j 708 k 208 l 1877 2 a 10.2 b 17.9 c 12.3 d 28.4 e 92.3 f 159.95 g 481.9 h 711 i 16.29 j 233.1 k 98.26 l 3000 3 a $1\frac{1}{2}$ b $1\frac{2}{5}$ c $1\frac{3}{16}$ d $\frac{7}{10}$ e $1\frac{10}{13}$ f $3\frac{4}{7}$ g $2\frac{10}{11}$ h $2\frac{21}{34}$ i $5\frac{1}{8}$ 4 a 6 b 64 c 81 d 163 e 178.97 f 592 g 28.2 h 1282 i 4129.5 j 2330 k 63 120 l 3270 m $1\frac{239}{279}$ n $2\frac{5}{9}$ o $5\frac{2}{3}$ p $8\frac{10}{11}$ q $19\frac{1}{2}$ r $41\frac{6}{13}$

PAGE 5 1 a 40 b 70 c 90 d 30 e 160 f 230 g 630 h 830 i 390 j 5670 k 9650 l 6380 2 a 800 b 500 c 200 d 2400 e 5400 f 6300 g 8900 h 6400 i 8500 j 500 k 900 l 600 3 a 3.6 b 0.8 c 9.7 d 31.6 e 0.2 f 16.1 g 18.4 h 91.5 i 62.9 j 43.2 k 83.3 l 55.1 4 a 5.67 b 8.94 c 9.62 d 33.26 e 41.67 f 83.19 g 52.37 h 81.29 i 63.14 j 59.33 k 129.64 l 538.63 5 a 50 b 3 c 90 d 9 e 0.007 f 0.05 6 a 84 b 240 c 8.9 d 92 e 330 f 82 g 250 h 0.00065 i 0.0076

PAGE 6 1 a 17 b 46 c 48 d 59 e 45 f 100 g 360 h 112 i 20 j 23 k 11 l 129 m 32 n 109 o 11 2 a 244.52 b 678.804 c 121.7 d 38.1 e 114.632 f 223.1 g 27.62 h 22.35 i 11.02 j 59.94 k 25.346 l 114.53 3 a $9\frac{3}{4}$ b $12\frac{11}{15}$ c $5\frac{4}{15}$ d $\frac{4}{17}$ e $\frac{16}{39}$ f $1\frac{173}{175}$ 4 a 100.15 b 10.98 c 72 d 2363.75 e 8.122 f 5.2 g 4754.65 h 498.015 i 158 5 a $1\frac{7}{18}$ b $2\frac{6}{35}$ c $2\frac{36}{125}$ d $13\frac{1}{8}$ e $2\frac{11}{12}$

PAGE 7 1 a 25 b 36 c 225 d 1521 e 4225 f 7921 g 12.25 h 4.41 i 44.89 j 232.5625 k 265.69 l 14 713.69 2 a 512 b 64 c 125 d 216 e 32 f 2401 g 3125 h 512 i 243 j 1.728 k 13.824 l 1296 m 5.0625 n 0.343 o 13.0321 3 a 104.86 b 4.91 c 571.79 d 753.57 e 2138.14 f 3442.95 g 39283.24 h 3763.82 i 20730.72 j 6512.49 k 316.84 l 2766.76 4 a $2\frac{1}{4}$ b $\frac{27}{125}$ c $1\frac{9}{16}$ d $28\frac{4}{9}$ e $40\frac{24}{25}$ f $72\frac{1}{4}$ g $15\frac{5}{8}$ h $42\frac{7}{8}$ i $410\frac{1}{16}$ j $3\frac{13}{81}$ k $2\frac{93}{125}$ l $5\frac{4}{9}$

PAGE 8 1 a 3 b 5 c 6 d 11 e 13 f 15 g 9 h 14 i 8 j 5 k 2 l 2 m 7 n 36 o 2 2 a 2 b 4 c 3 d 9 e 7 f 6 g 13 h 8 i 2 j 33 k 40 l 1.2 3 a 7.5 b 1.5 c 1.4 d 2.4 e 4.2 f 0.2 g 5.8 h 4.4 i 2.1 4 a 2.50 b 0.88 c 2.92 d 2.48 e 2.05 f 3.09 g 1.60 h 7.31 i 0.34 j 2.77 k 7.61 l 2.09 m 1.71 n 2.34 o 1.13

PAGE 9 1 16.8 cm 2 148.877 cm³ 3 1219.68 cm³ 4 17 cm 5 85000 6 50 7 \$830.40 8 \$148.75 9 \$111.88 10 24 11 48.54 12 \$1891 13 6.06 14 $2\frac{1}{2}$ 15 2.38 16 159 17 \$30.49 18 132.01 19 32.939 20 \$1375

PAGE 10 1 C 2 A 3 B 4 C 5 A 6 C 7 A 8 A 9 A 10 A 11 D 12 C

PAGE 11 1 558.13 2 4700 3 0.50 4 2.38 5 1436.03 6 21.95 7 0.61 8 20.9 9 11.1 10 2 11 66.0 12 0.1 13 20.5 14 6.9 15 5.0